

IN THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1 – 22. Canceled.

23(New). A method of data communication comprising:
allocating a first time slot for a first data stream;
allocating a second time slot for a second data stream, wherein the first data stream has a
higher quality of service assigned than the second data stream.; and
transmitting data streams using corresponding time slots.

24(New). A method according to claim 23, wherein
the data communication is over a cable network;
the first time slot is allocated by a DOCSIS manager; and
the second time slot is allocated by a home network manager.

25(New). A method according to claim 24, wherein the second time slot
immediately precedes the first time slot.

26(New). A method according to claim 24, wherein the first time slot immediately
precedes the second time slot.

27(New). A method according to claim 24, wherein the home network is one or
more of a Bluetooth network and an IEEE802.11 network.

28(New). A method according to claim 24, wherein the home network manager is
configured to determine timing of the first data stream by exchanging messages with a cable
modem termination system in the cable network.

29(New). A method according to claim 24, wherein the home network is configured to determine timing of the first data stream using time-sync mechanism of DOCSIS.

30(New). A method according to claim 23, wherein first and second time slots do no overlap.

31(New). A method according to claim 24, further comprising:
allocating a third time slot for a third data stream, wherein
the third time slot is used by one or more devices associated with the home
network to communicate with one or more of the home network, DOCSIS
network, and other devices associated with the home network; and
the third time slot immediately precedes one of the first and second time slots.